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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	<b>Application Number</b>	09/770,997
	<b>Filing Date</b>	January 25, 2001
	<b>First Named Inventor</b>	Xinhui NIU
	<b>Group Art Unit</b>	2821
	<b>Examiner Name</b>	To Be Assigned
<b>Total Number Of Pages In This Submission</b>	6	<b>Attorney Docket No.</b> 509982000100

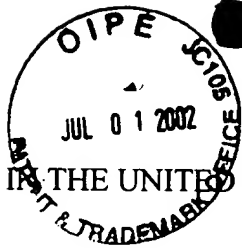
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<input type="checkbox"/> Affidavits/declarations	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input checked="" type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address (3 Pages)	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	1. Statement Under 37 CFR 3.73(b) w/copy of Assignment (2 Pages)
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<input type="checkbox"/> Response to Missing Parts/ Incomplete Application	Remarks	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY OR AGENT	
Firm or Individual Name	Peter J. Yim (Reg. No. 44,417) Morrison & Foerster LLP 425 Market Street San Francisco, California 94105-2482
Signature	
Date	June 21, 2002

CERTIFICATE OF MAILING BY "FIRST CLASS MAIL"
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on Jun 21, 2002.
 Valeri Cohen

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PATENT  
Docket No. 509982000100

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Xinhui NIU and Nickhil H. JAKATDAR

Serial No.: 09/770,997

Filing Date: January 25, 2001

For: CACHING OF INTRA-LAYER  
CALCULATIONS FOR RAPID  
RIGOROUS COUPLED-WAVE  
ANALYSES

Examiner: To Be Assigned

Group Art Unit: 2621

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**REVOCATION OF PRIOR POWER OF ATTORNEY AND  
POWER OF ATTORNEY AND PROSECUTION BY ASSIGNEE  
UNDER 37 C.F.R. § 3.71**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

Timbre Technologies, Inc., the assignee of the entire right, title and interest in this patent application, hereby revoke all Powers of Attorney previously granted relating to this application and appoint as its attorneys or agents, with full power of substitution, association, and revocation, to prosecute this application and to transact all business in the United States Patent and Trademark Office connected herewith:

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Mehran Arjomand (Reg No. 48,231)  
Erwin J. Basinski (Reg No. 34,773)  
Richard R. Batt (Reg No. 43,485)  
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Michael R. Ward (Reg No. 38,651)  
Todd W. Wight (Reg No. 45,218)  
Frank Wu (Reg No. 41,386)  
Peter J. Yim (Reg No. 44,417)  
Karen R. Zachow (Reg No. 46,332)

all of Morrison & Foerster LLP, 425 Market Street, San Francisco, California 94105-2482, telephone: (415) 268-7000, and Manuel B. Madriaga (Reg. No. 45,459) of Timbre Technologies, Inc., at 2953 Bunker Lane, Suite 301, Santa Clara, California 95054, said appointments to be to the exclusion of the inventors and their attorneys in accordance with the provisions of 37 C.F.R. § 3.71 provided that if any one of said attorneys or agents ceases being affiliated with the law firm of Morrison & Foerster as partner, employee or of counsel, or with Timbre Technologies, Inc., such attorney's or agent's appointment as attorney or agent and all powers derived therefrom shall terminate on the date such attorney or agent ceases being so affiliated.

Please direct all communications relative to this application to:

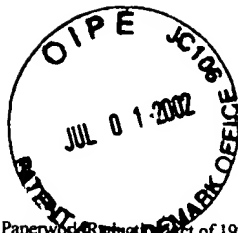
Peter J. Yim  
Morrison & Foerster LLP  
425 Market Street  
San Francisco, California 94105-2482

Please direct all telephone communications to Peter J. Yim at (415) 268-6373.

Timbre Technologies, Inc.  
a California corporation

Dated: 06 / 10, 2002

N. Jakatdar  
Name: Nickhil H. Jakatdar  
Title: Chief Technical Officer  
Address: 2953 Bunker Lane, Suite 301  
Santa Clara, CA 95054



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**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Xinhui NIU and Nickhil H. JAKATDAR

Application No./Patent No.: 09/770,997

Filed/Issue Date: January 25, 2001

Entitled: CACHING OF INTRA-LAYER CALCULATIONS FOR RAPID RIGOROUS COUPLED-WAVE ANALYSES

Timbre Technologies, Inc.

California corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by, percentage) of its ownership interest is \_\_\_\_\_ %

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☒ Copies of assignments or other documents in the chain of title are attached.

**[NOTE:]** A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

06/10/2002

Date

Nickhil Jakatdar

Name

*N. Jakatdar*

Signature

Chief Technical Officer

Title

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ASSIGNMENT  
JOINT

THIS ASSIGNMENT, by Xinhui NIU and Nickhil H. JAKATDAR (hereinafter referred to as the assignors), residing at 1422 Birchmeadow Lane, San Jose, California 95131 and 425 Rinconada Court, Los Altos, California 94022, respectively, witnesseth:

WHEREAS, said assignors have invented certain new and useful improvements in CACHING OF INTRA-LAYER CALCULATIONS FOR RAPID RIGOROUS COUPLED-WAVE ANALYSES, set forth in an application for Letters Patent of the United States, bearing Serial No. 09/770,997 and filed on January 25, 2001; and


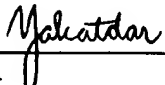
WHEREAS, Timbre Technologies, Inc., a corporation duly organized under and pursuant to the laws of California and having its principal place of business at 2953 Bunker Lane, Suite 301, Santa Clara, California 95054 (hereinafter referred to as the assignee) is desirous of acquiring the entire right, title and interest in and to said inventions and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, said assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto said assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said assignee, for its own use and the use of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the assignors, had this sale and assignment not been made.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said assignors are the sole and lawful owners of the entire right, title and interest in and to said inventions and the application for Letters Patent above-mentioned, and that the same are unencumbered and that said assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee, its successors, legal representatives and assigns, that said assignors will, whenever counsel of said assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said inventions, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said inventions, without charge to said assignee, its successors, legal representatives and assigns, but at the cost and expense of said assignee, its successors, legal representatives and assigns.

AND said assignors hereby request the Commissioner of Patents to issue said Letters Patent of the United States to said assignee as the assignee of said inventions and the Letters Patent to be issued thereon for the sole use of said assignee, its successors, legal representatives and assigns.

06/10/2001	
Date	Xinhui NIU
06/10/2002	
Date	Nickhil H. JAKATDAR